Brunetti

Tube amplification

OWNER'S MANUAL

MARANELLO

Black Top

By reading this manual you will deeply know the device you bought and will have the chance to fully experience its potential. Our sets are handmade. This is why you could find some sound and structural differences. This testifies the handmade making of the product.

Finest Italian handmade

CONGRATULATIONS for your choice
of **MARANELLO BLACK TOP** !!!

The year 2012 has a special significance for **BRUNETTI** because is the 20th year of activity of our company. And this amplifier in particular gave us and our customers great satisfaction. We are sure that your pleasure will be great too!

SPECIFICATIONS

PREAMP:
3 channels CLEAN, DRIVE and OVERDRIVE

GAIN, VOLUME, BASS, MIDDLE, TREBLE controls

POWER AMP:
20W /5W "A" Class with POWERLIMIT®: Manual switch operating on the final stage reducing power to 1/4

CHANNEL SWITCHING:
manual and footswitch

EFFECTS LOOP:
SERIAL/PARALLEL send/return with continuous control of the MIX for stomps and rack systems

SPEAKER:
12" JENSEN JCH12/50 Vintage Series (16 Ohm)

EXTERNAL SPEAKER:
16Ohm external cab output (DOES NOT EXLUDE THE INTERNAL SPEAKER)

TUBES:
3x 12AX7/ECC83 + 2x EL84M (autobias)

STRUCTURE:
Laser cut iron/aluminium chassis and panels

ELECTRONICS:
WIMA "Red Series" MKP capacitors, sealed relay, low noise film resistors

DIMENSIONS:
L 480 mm, H 480 mm, P 250 mm, W 15 Kg

BOX CONTENTS:
Power cable, footswitch, user's manual, waterproof cover

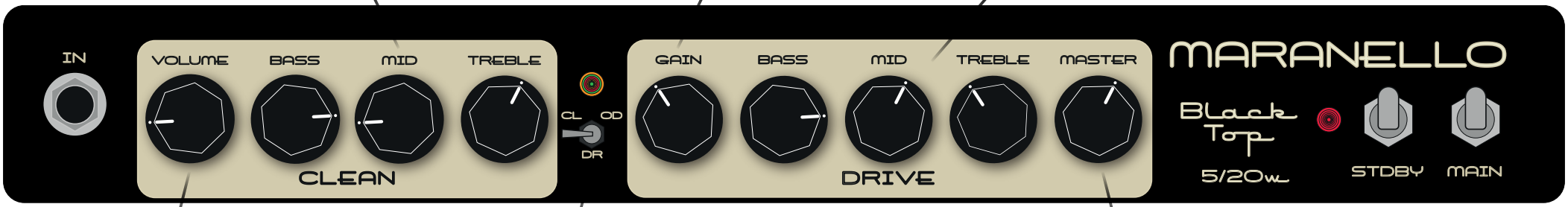
FRONT PANEL

MARANELLO BLACK TOP is the result of the iconic MARANELLO evolution. Its three channels CLEAN/DIRVE/OVERDRIVE configuration meets all music needs.
The CLEAN channel is very dynamic, warm and clear. It's the clean sound that distinguishes all of our products, perfect with stomp boxes and rack systems too.
The DRIVE channel comes from the need to create a sound link between CLEAN and OVERDRIVE emphasizing that it's not enough to lower the gain to obtain a good channel with half distortion and high definition. So we designed the channel which includes the features of a good clean and could reach a dynamic saturation and not extreme. The third channel, OVERDRIVE, does not need to be introduced and compared with the previous model shows a more fluid character without loss of gain and definition.
MARANELLO has been revised and retouched step by step, and deeply tested with many different guitars to give its best. The functions control is simple and direct, it will be easy for you to find your sound! We suggest to set BASS, MID and TREBLE controls at noon and then set GAIN and VOLUME of all channels. Every slight change in controls involves variations in timbre and dynamic response of your instrument. The switching of the channels is manually operated by the three positions switch on the front panel with gree light (Clean), yellow light (Drive) and red light (Overdrive).
The two-coloured RED/GREEN light of MAIN and STANDBY is unchanged.

EQ controls **CLEAN** channel
Bass: 100Hz level
Mid: 1KHz level
Treble: 10KHz level

GAIN **DRIVE** and **OVERDRIVE** sounds. It allows to pass from clean to distorted sounds together with DR and OD switch control

EQ conreols **DRIVE** & **OVERDRIVE** channels
Bass: 150Hz level
Mid: 1KHz level
Treble: 8KHz level



VOLUME of **CLEAN** sound. The sound pressure increase according to the setting of the control to reach a light saturation of the final stage.
We suggest to experiment this function with the help of the POWERLIMIT switch on the rear panel

Manual switch of channels
WARNING! To use the footswitch this switch must be on DR position

MASTER volume for DRIVE and OVERDRIVE channels. It balances the volume of distorted channels and Clean channel

REAR PANEL

Fuse for general protection

WARNING!!
If the fuse burns there is something wrong. Please, contact our support centre at support@brunetti.it

POWERLIMIT switch
Please, read the instructions on the following page

Jack for external cab use. It does not exclude the internal speaker

MIX control
Please, read the instructions on the **EFFECTS** and **LOOP** page

EFFECTS LOOP
connectors

Fuse for tubes protection wich operates on high voltage. To be replaced with an identical one

WARNING!!
If the fuse burns there is something wrong. Please, contact our support centre at support@brunetti.it

PRESENCE control
adds presence and brightness. It operates on all channels

FOOTSWITCH jack.
This input is stereo. Please, use only the footswitch supplied. It is possible to use it with external switching systems. The activation is on/off to ground.

The 12AX7 / ECC83 tubes are long-lasting. Replace them only if necessary and with identical or equal models and choose only high quality products.

WARNING !!

Please refer to the manufacturer for all repairs and tubes replacement to insure the correct working of the preamplifier. It does not exist service centres licensed by Brunetti Marco & C. The manufacturer declines all responsibility for malfunctioning due to assistance not provided or authorized by Brunetti & C.

POWERLIMIT®

MARANELLO BLACK TOP is equipped with Powerlimit 20/5W very useful for the use at low volume.

You will find below some useful information about the power limitation.

When you limit the maximun power of your amp the dynamics (to reproduce sounds at high volumes) decrease. So the distortion of the final stage (saturation) appears before forcing you to lower the volume to maintain the tone integrity of sound. If you want to take advantage of saturation on the final stage at low volumes you have to use Powerlimit.
Our ears remember well the crunched sound of old one-channel amps at maximun volume!!

PowerLimit® is a system of power reduction on the final stage of the amp.
It operates through a changing of the tubes' internal configuration from 20W **tetrode** to 5W **triode** decreasing power up to 1/4 of the maximun value.

This system is equipped with some interesting clever devices and it does not limit power despersing the excess through leakage resistances or similar, but it forces tubes to give the best at low power and covering the frequency if necessary according to the hearing. So, it is a "shaping" method studied by Marco Brunetti to reduce the amp general sound pressure but preserving the timbre qualities.

There are several advantages from the possibility to play in different conditions simply adapting the output volume of the amp without an intervention on the equalization, to the full exploitment of the final power, distorting it if necessary and reaching each sound shade.

EFFECTS LOOP

On the effects section of the rear panel you will find **SEND** and **RETURN** inputs and **EFX MIX** potentiometer.

SEND is the output wich sends signals to the input of an external effect. It has been conceived to use both stomp effects and rack systems. The level is compatible with all systems on the market.
RETURN is the input which brings back the processed signal from the effects output to the final stage of the amp.

The **EFX MIX** mixes the effect and the original sound in different proportions.
If you want to use the SERIAL LOOP maintain it at the maximun level, and read the instructions on the use of SERIAL LOOP on the following page.
If you use the PARALLEL LOOP mainatin it between 1/4 and 3/4, and read the instructions about PARALLEL LOOP on the following page.

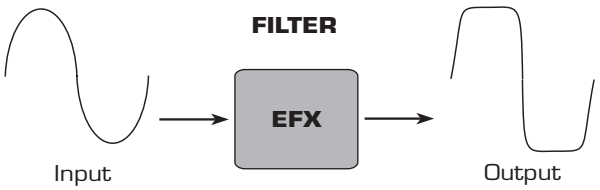
For all connections in the **LOOP** section, use only very short shielded cables of high quality. Whatever effect will modify the original timbre of the amplifier depending on the quality of the system you use.

For best resuts we advise to put only modulation (chorus, flanger etc), reverbs and delays effects in the loop.

GENERAL INFORMATIONS ABOUT EFFECTS & LOOP

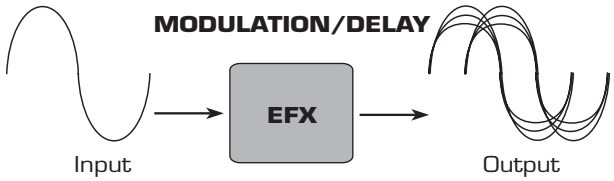
FILTER EFFECTS

The main feature of the filter effect is the physical alteration of the signal wave form (as distosion pedals do).
This family of effects finds its best place between guitar and preamp input.



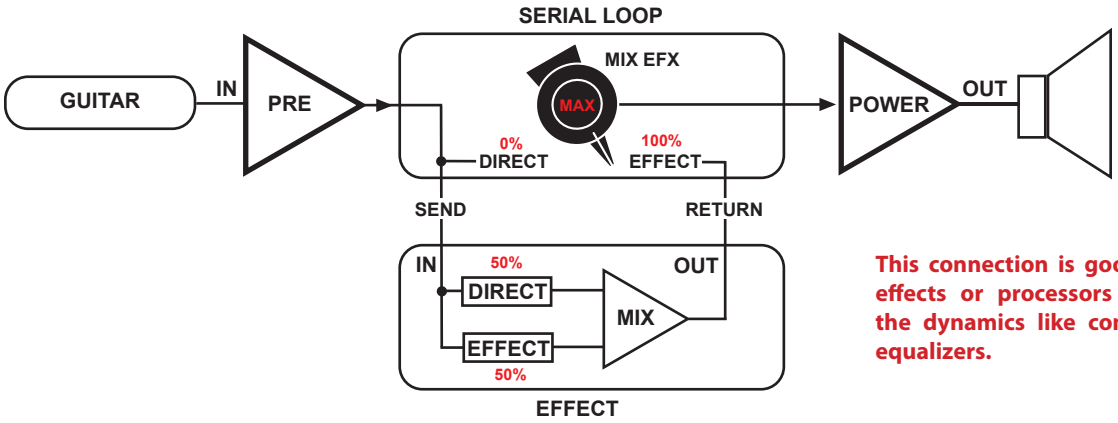
MODULATION/DELAY EFFECTS

The main feature of modulation /delay effects is to modulate or delay a part of the input signal multiplying it. It's an enriching effect which does not change the feature of the direct sound.
This family of effects finds its best place in connection to the effects loop, i.e. between preamp and power amp.



SERIAL LOOP

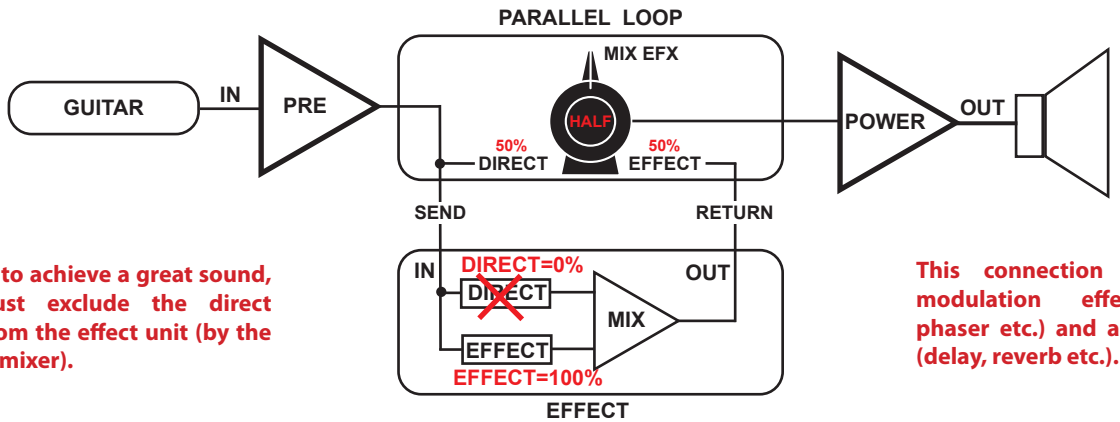
In the serial loop all the signal getting out of the preamp passes through the effects chain of the loop. During the setting of the effect you have to consider that the sound is composed by a share of the original sound, called DIRECT or DRY and a share of the processed sound, called EFFECT or WET. They both come from the original sound and are mixed (MIX) in the effect before being sent to the outputs.



This connection is good for stomp effects or processors that act on the dynamics like compressors or equalizers.

PARALLEL LOOP

In a parallel loop a share of the signal getting out of the preamp passes unaltered through the loop circuit (DIRECT) and a share reaches directly the SEND. The latter is processed by the effects, sent to the RETURN and then mixed with the direct. The effect quality is less important here than in the serial loop because the original DRY signal will be not "coloured" when it passes through the loop or the effect and the WET signal will be pleasantly added to the DRY signal.



In order to achieve a great sound, you must exclude the direct (DRY) from the effect unit (by the internal mixer).

This connection is good for modulation effects (chorus, phaser etc.) and ambient effects (delay, reverb etc.).

IMPORTANT INFO

WARNING!!

Before any kind of cleaning/manteinance operation, disconnect the appliance from the electric supply.

IMPORTANT INFO

- Check that power supply electricity in use is the one indicated on the sticker on the rear panel of the appliance;
- The appliance must be earthed in conformity to the national previsions in force;
- Do not throw water jets directly on the appliance;
- Do not use water steams to clean the appliance;
- Do not use solvents to clean the appliance, especially on serigraphy;
- The manufacturer declines all responsibility for any kind of damage to persons, things and/or animals resulting from a wrong use of the appliance;
- The appliance conformity is proved by CE symbol on the rear side;
- The manufacturer reserves the right to make any useful and essential change to the products without compromise the main safety and working features;
- Do not use the appliance barefoot;
- Do not touch the appliance with wet or moist hands or feet;
- Do not leave the appliance exposed to sun, rain, humidity ecc..
- Do not allow children or incompetents to use the appliance;
- Do not leave inflammable materials near the appliance;
- The appliance repair may be done during the warranty period only by the manufacturer in our laboratory, or by authorized staff, in conformity to the national previsions in force;
- Control periodically all cables supplied with the appliance, if they result damaged, you have to replace them immediately with another one with the same characteristics;
- In case of damage contact the shop where you bought the appliance.

Please, fill out the warranty form you find on

www.brunetti.it

to validate your warranty

WARNING!!

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